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#!/bin/ksh

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#####
# Name      : Check_ESDTs_need_VolGrp
# Author    : Sally Ho
# Description : This script uses to get all ESDT(s) which in the sdsrv
#               database but do not have a Volume Group in stmgmt.
# Limitation : This script only handle versionID, which in sdsrv database,
#               with 1 digit. For example: in sdsrv database, versionID = 1
#               in stmgmt database, VolumeGroupName has the format
#               configuredName.versionID (AST_04.001)
# Date     : March 16 1999
#
# HISTORY
# Date      Who          Changes
# ----      -----        -----
# 03/16/1999 sho          create the first version
#####

#check arguments
[ $# -ne 8 ] && print "Usage: $0 SDSRVSERVERNAME SDSRVUSERNAME SDSRVUSERPASSWD
SDSRVDBNAME STMGT SERVERNAME STMGTUSERNAME STMGTUSERPASSWD STMGTDBNAME" && exit

#Set up arguments
SDSRVSERVERNAME=$1
SDSRVUSERNAME=$2
SDSRVUSERPASSWD=$3
SDSRVDBNAME=$4
STMGT SERVERNAME=$5
STMGTUSERNAME=$6
STMGTUSERPASSWD=$7
STMGTDBNAME=$8

## Prepare output file
set noclobber off

rm ./ESDTs_need_VolGrp

touch ./sdsrvNoBkupID.out
touch ./sdsrvBkupID.out
touch ./stmgtnoBackupVolGrp.out
touch ./stmgtBackupVolGrp.out
touch ./noarchivelist
touch ./nobkuparchivelist
touch ./ESDTs_need_VolGrp
touch ./sdsrvNoBkupIDList
touch ./sdsrvBkupIDList
touch ./stmgtnoBkupVolGrpList
touch ./stmgtBkupVolGrpList

# get data out of the database

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$SYBASE/bin/isql -U$SDSRVUSERNAME -P $SDSRVPASSWD -S $SDSRVSERVERNAME
<<EOF>./sdsrvBkupID.out

use $SDSRVDBNAME
go

set nocount on
go

select configuredName +".00"+convert(varchar, versionID)+"B"
from DsGeESDTConfiguredType
where backupIdentifier != ""
and archiveIdentifier is not null
go

EOF

# check for sql error in the output file
grep "Msg" ./sdsrvBkupID.out
if (( $? ==0)); then
    printf "\n***** Possible errors found in sdsrvBkupID.out ***** \n"
    exit 1
else
    printf "\n***** No errors found in sdsrvBkupID.out *****\n"
fi

$SYBASE/bin/isql -U$SDSRVUSERNAME -P $SDSRVPASSWD -S $SDSRVSERVERNAME
<<EOF>./sdsrvNoBkupID.out

use $SDSRVDBNAME
go

set nocount on
go

select configuredName+".00"+convert(varchar, versionID)
from DsGeESDTConfiguredType
where backupIdentifier = ""
and archiveIdentifier is not null
go

EOF

# check for sql error in the output file
grep "Msg" ./sdsrvNoBkupID.out
if (( $? ==0)); then
    printf "\n***** Possible errors found in sdsrvNoBkupID.out ***** \n"
    exit 1
else
    printf "\n***** No errors found in sdsrvNoBkupID.out *****\n"
fi

$SYBASE/bin/isql -U$STMGTUSERNAME -P $STMGTUSERPASSWD -S $STMGT SERVERNAME
<<EOF>./stmgtNoBackupVolGrp.out

use $STMGTDBNAME

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go

set nocount on
go

select VolumeGroupName
from DsStVolumeGroup
where VolumeGroupName not like "%B"
go

EOF

# check for sql error in the output file
grep "Msg" ./stmgtNoBackupVolGrp.out
if (( $? ==0)); then
    printf "\n***** Possible errors found in stmgtNoBackupVolGrp.out ***** \n"
    exit 1
else
    printf "\n***** No errors found in stmgtNoBackupVolGrp.out *****\n"
fi

$SYBASE/bin/isql -U$STMGTUSERNAME -P $STMGTUSERPASSWD -S $STMGTSERVERNAME
<<EOF>./stmgtBackupVolGrp.out

use $STMGTDBNAME
go

set nocount on
go

select VolumeGroupName
from DsStVolumeGroup
where VolumeGroupName like "%B"
go

EOF

# check for sql error in the output file
grep "Msg" ./stmgtBackupVolGrp.out
if (( $? ==0)); then
    printf "\n***** Possible errors found in stmgtBackupVolGrp.out ***** \n"
    exit 1
else
    printf "\n***** No errors found in stmgtBackupVolGrp.out *****\n"
fi

# process the files and generate the output

noarchivelist=../noarchivelist
nobkuparchivelist=../nobkuparchivelist

cat ./sdsrvNoBkupID.out | sed '1,2d' > ./sdsrvNoBkupIDList
cat ./stmgtNoBackupVolGrp.out | sed '1,2d' > ./stmgtNoBkupVolGrpList
cat ./sdsrvBkupID.out | sed '1,2d' > ./sdsrvBkupIDList
cat ./stmgtBackupVolGrp.out | sed '1,2d' > ./stmgtBkupVolGrpList

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stmgtNoBkupList=$stmgtNoBkupVolGrpList
$sdsvrNoBkupIDList=`cat $sdsvrNoBkupIDList`
stmgtBkupList=$stmgtBkupVolGrpList
$sdsvrBkupIDList=`cat $sdsvrBkupIDList`

echo "The following ESDT(s) do not have a VolumeGroup: " >> $noarchivelist
echo "===== >> $noarchivelist
for noBkupID in ${sdsvrNoBkupIDList}
do
    searchCnt=`grep $noBkupID $stmgtNoBkupList | wc -l`
    if (($searchCnt != 0)); then
        print
    else
        echo $noBkupID >> $noarchivelist
    fi
done

echo "The following ESDT(s) do not have a backup VolumeGroup: " >> $nobkuparchivelist
echo "===== >> $nobkuparchivelist
for BkupID in ${sdsvrBkupIDList}
do
    searchCnt=`grep $BkupID $stmgtBkupList | wc -l`
    if (($searchCnt != 0)); then
        print
    else
        echo $BkupID >> $nobkuparchivelist
    fi
done

cat $noarchivelist >> ESDTs_need_VolGrp
echo "\n\n" >> ESDTs_need_VolGrp
cat $nobkuparchivelist >> ESDTs_need_VolGrp

printf " The output file name is ESDTs_need_VolGrp. \n"
rm ./sdsvrNoBkupID.out
rm ./sdsvrBkupID.out
rm ./stmgtNoBackupVolGrp.out
rm ./stmgtBackupVolGrp.out
rm $noarchivelist
rm $nobkuparchivelist
rm ./sdsvrNoBkupIDList
rm ./stmgtNoBkupVolGrpList
rm ./sdsvrBkupIDList
rm ./stmgtBkupVolGrpList

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